

**AMENDMENTS TO THE SPECIFICATION**

**Please replace the first full paragraph on page 2 with the following amended**

**paragraph:**

Numerous reports have been published on assay of CoA molecules by UV-HPLC (see, for example, ~~Hosokawa, Y.~~ Anne Rutkoski, *et al.*, Anal. Biochem., 1978, 91, 1, 370, Demoz, A., J. Chromatogr., B: Biomed. Appl., 1995, 667, 1, 148). CoA concentrations in muscle, cardiac and hepatic biological samples are assayed by this method. However, due to the low sensitivity of UV-HPLC, it has poor reproducibility for highly contaminated samples such as those from organs, with brain concentrations being particularly difficult to measure, and therefore a method offering higher sensitivity and reproducibility has been desired.